

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch 100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed instructions for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality.
   Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification					
Part A identifies and describ	es the tank. Duplicate this f	orm as necessary to incl	ude all applicable tanks.		
1. Tank/Unit ID:	TK-101				
2. Installation Date: (actual or anticipated)	TBD				
3. Tank Location:	TBD				
4. Tank Type					
☐ Fixed Roof, Cone	☐ External Floa	ting Roof, Domed	☐ Internal Floating Roof		
☐ Fixed Roof, Dome	☐ External Floa	ting Roof, Not Domed	☐ Variable Vapor Space		
Other (specify):			Pressure Tank		
Is the tank Above Grou	nd? ⊠ Yes	□ No			
6. Tank Orientation:	☐ Horizontal	✓ Vertical			
7. Tank Color:	TBD				
8. Materials Stored:(includ	e MSDS) Oily Brine				
9. True Vapor Pressure (	PVA): 0.5 RVP (psi at 20	°C)			
10. Vapor Molecular Weig	<b>ht</b> (Mv): gallons (	b/lbmole)			
11. Annual Throughput:	251,412,000 ga	llons per year (gal/yr)			
12. Venting Method:					
13. Filling Method:	Submerged	☐ Not Submerged	Other (specify):		
	PART B: Emission	Controls and Limitation	ons		
Part B identifies control tech	nology, control techniques o	r other process limitation	s that impact air emissions.		
14. Add-On Control Techn	ology: Identify all control tech	nologies used for this unit, a	and attach completed CE-01 (unless "none").		
⊠ None	Other (specify):		— Attach CE-10.		
15. Control Techniques: la	dentify all control techniques	used for this process.			
□ None	☐ Flare	☐ Vapor Recov	very System		
Other (specify): TBI	)	– Attach GSD-09.			
16. Process Limitations / Additional Information: Identify any acceptable process limitations. Attach additional information if necessary.					

PART C: Information Specific to Tank Type						
Part C identifies the physical properties of the tank.						
17. Tank Diameter (D): 25 feet (#)						
18. Tank Height (Hs): 18 feet (ft)						
19. Tank Volume / Capacity (V): 66,108 gallons (g	al) (ft³)					
20. Maximum Liquid Height (HIx): feet (ft)						
21. External Floating Roof: Complete only if applicable.						
a. Average Liquid Density (WI): pounds p	er gallon (ib/gal)					
b. Roof Type:	ng Roof					
c. Tank Construction:	Riveted					
d. Primary Rim Seal: ☐ Vapor Mounte	d .					
e. Secondary Rim Seal: ☐ Weather Shiel	d Rim Mounted None					
22. Internal Floating Roof: Complete only if applicable.						
a. Average Liquid Density (WI):	pounds per gallon ( <i>lb/gal</i> )					
<b>b.</b> Roof Type	☐ Double Deck Floating Roof ☐ Other: (specify)					
c. Self-supported fixed roof	☐ Yes ☐ No					
d. Number of columns supporting the fixed roof						
e. Deck Construction	☐ Welded ☐ Riveted ☐ Bolted					
f. Primary Rim Seal:	☐ Vapor Mounted ☐ Liquid Mounted					
g. Is there a Secondary Rim Seal?	☐ Yes ☐ No					
23. Variable Vapor Space: Complete only if applicable.						
a. Volume of liquid pumped into the system (V1):	gallons per year (gal/yr)					
b. Volume expansion capacity of system (V2):	gallons (gal)					
c. Number of Transfers Into the System (N2)	per year (/yr)					
PART D: E	mission Factors					
Part D identifies all emission factors used to calculate air						
24. Air Pollutant:  25. Emission Factor  value units  26. Source of Emission Factor  (if not using AP-42, include calculations)						
Hazardous Air Pollutant (HAP): (specify): TBD	☐ AP-42 ☐ Other ☐ N/A					
Volatile Organic Compounds (VOC)	0.43 tpy ☐ AP-42 ☑ Other ☐ N/A					
Other (specify):	☐ AP-42 ☐ Other					
Other (specify):	☐ AP-42 ☐ Other					

F	PART E: Federal Rule Applicability	
art E identifies any federal rules that appl	y to the process.	
27. Is a New Source Performance Stand If yes, attach a completed FED-01 for each	ard (NSPS) applicable to this source? ☐ Yes ☒ No	28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for applicable to this source? If yes, attach	Hazardous Air Pollutants (NESHAP) a completed FED-01 for each rule that applies.   ✓ Yes ☐ No	30. Unit ID
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Pro the rule title or the source category), bu		ule (based on

<sup>\*</sup>Note that TK-101 will be subject to 40 CFR 61, Subpart FF.

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- Detailed instructions for this form are available online at <a href="www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html">www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html</a>.
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   Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

			ank Identification			
Ра	Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.					
1.	Tank/Unit ID:	TK-102				
2.	Installation Date: (actual or anticipated)	TBD				
3.	Tank Location:	TBD				
4.	Tank Type					
		External Floa	ting Roof, Domed	☐ Internal Floating Roof		
	☐ Fixed Roof, Dome	External Floa	ting Roof, Not Domed	☐ Variable Vapor Space		
	Other (specify):		WING III	☐ Pressure Tank		
	Is the tank Above Ground?	⊠ Yes	□ No			
<u> </u>	Tank Orientation:	☐ Horizontal	✓ Vertical			
7.	Tank Color:	TBD				
8.	Materials Stored:(include MSDS)	Oily Brine				
9.	True Vapor Pressure (PVA):	0.5 RVP (psi at 20	°C)			
10.	Vapor Molecular Weight (Mv):	gallons (	b/lbmole)			
11.	Annual Throughput:	251,412,000 ga	llons per year (gai/yr)			
12.	Venting Method:					
13.	Filling Method	Submerged	☐ Not Submerged	Other (specify):		
	P	ART B: Emission	Controls and Limitatio	ns		
Pai	t B identifies control technology, co	ntrol techniques o	r other process limitation	s that impact air emissions.		
14.	Add-On Control Technology: Ide	ntify all control techr	nologies used for this unit, a	and attach completed CE-01 (unless "none").		
************	None ☐ Ott	ner (specify):		− Attach CE-10.		
15.	Control Techniques: Identify all c	ontrol techniques	used for this process.			
	☐ None ☐ Fla	re	☐ Vapor Recov	very System		
	Other (specify): TBD		– Attach GSD-09.			
16.	16. Process Limitations / Additional Information: Identify any acceptable process limitations. Attach additional information if necessary.					

PART C: Information Specific to Tank Type							
Part C identifies the physical properties of the tank.							
17. Tank Diameter (D): 25 feet (#)							
18. Tank Height (Hs):							
19. Tank Volume / Capacity (V): 66,108 gallons (gal)	(ff <sup>3</sup> )						
20. Maximum Liquid Height (Hix): feet (ft)							
21. External Floating Roof: Complete only if applicable							
a. Average Liquid Density (WI): pounds per ga	alion (Ib/gal)						
<b>b.</b> Roof Type:	Roof Double Deck Floating Roof						
c. Tank Construction:	Riveted						
d. Primary Rim Seal: ☐ Vapor Mounted	☐ Liquid Mounted ☐ Mechanical Shoe						
e. Secondary Rim Seal:   Weather Shield	Rim Mounted None						
22. Internal Floating Roof: Complete only if applicable.							
a. Average Liquid Density (WI):	pounds per gallon ( <i>lb/gal</i> )						
b. Roof Type	Double Deck Floating Roof						
c. Self-supported fixed roof	Yes 🔲 No						
d. Number of columns supporting the fixed roof							
e. Deck Construction:	Welded Riveted Bolted						
f. Primary Rim Seal:	Vapor Mounted						
g. Is there a Secondary Rim Seal?	Yes ☐ No						
23. Variable Vapor Space: Complete only if applicable.							
a. Volume of liquid pumped into the system (V1):	gallons per year (gal/yr)						
<b>b</b> . Volume expansion capacity of system (V2):	galions ( <i>gai</i> )						
c. Number of Transfers Into the System (N2)	per year (/yr)						
PART D: Emis	sion Factors						
Part D identifies all emission factors used to calculate air emissions from the storage tank.							
24. Air Pollutant:  25. Emission Factor  value  26. Source of Emission Factor  (if not using AP-42, include calculations)							
Hazardous Air Pollutant (HAP): (specify): TBD	☐ AP-42 ☐ Other ☐ N/A						
Volatile Organic Compounds (VOC)	0.43 tpy AP-42 Other N/A						
Other (specify):	☐ AP-42 ☐ Other						
Other (specify):	Other (specify):						

PAR	RT E: Federal Rule Applicability	
art E identifies any federal rules that apply to	en de constant de la companse de la	
27. Is a New Source Performance Standard If yes, attach a completed FED-01 for each rule	I (NSPS) applicable to this source? ☐ Yes ☒ No e that applies.	28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	G.
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	The second secon
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for Hazapplicable to this source? If yes, attach a co		30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but the	le an explanation if the process unit appears subject to a ru	ıle (based on

<sup>\*</sup>Note that TK-102 will be subject to 40 CFR 61, Subpart FF.



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	PART A: Tank Identification						
Pa	Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.						
1.	Tank/Unit ID:	TK-103					
2.	Installation Date: (actual or anticipated)	TBD					
3.	Tank Location:	TBD					
4.	Tank Type						
		☐ External Floating Roof, Domed	☐ Internal Floating Roof				
	☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space				
	Other (specify):		☐ Pressure Tank				
Ž.	Is the tank Above Ground?	⊠ Yes □ No					
<u>رة.</u>	Tank Orientation:	☐ Horizontal ⊠ Vertical					
7.	Tank Color:	TBD	***************************************				
8.	Materials Stored:(include MSDS)	Oily Brine					
9.	True Vapor Pressure (PVA):	0.5 RVP (psi at 20°C)					
10.	Vapor Molecular Weight (Mv):	gallons (b/lbmole)					
11.	Annual Throughput:	251,412,000 gallons per year (gal/yr)					
12.	Venting Method:						
13.	Filling Method:	☐ Submerged ☐ Not Submerged	Other (specify):				
Pai		ART B: Emission Controls and Limitation introl techniques or other process limitation					
14.		ntify all control technologies used for this unit,					
45	na inggalaran kali bin inggalaran ka	ner (specify):	Attach CE-10.				
15.		ontrol techniques used for this process.					
	□ None □ Fla		very System				
	Other (specify): TBD	— Attach GSD-09.					
' 76.	information if necessary.	Information: Identify any acceptable pro	cess limitations. Attach additional				

PART C: Information Specific to Tank Type							
Part C identifies the physical properties of the tank.							
17. Tank Diameter (D): 25 feet (ff)		· · · · · · · · · · · · · · · · · · ·					
18. Tank Height (Hs): 18 feet (#)							
19. Tank Volume / Capacity (V): 66,108 gallons (gal) (ft³)							
20. Maximum Liquid Height (Hlx): feet (ff)							
21. External Floating Roof: Complete only if applicable.							
a. Average Liquid Density (WI): pounds p	er gallon ( <i>Ib</i>	/gal)					
b. Roof Type: ☐ Pontoon Float	ing Roof	Double D	eck Floating	g Roof			
c. Tank Construction:		Riveted					
d. Primary Rim Seal: ☐ Vapor Mounte	d	☐ Liquid Me	ounted	☐ Mechanic	al Shoe		
e. Secondary Rim Seal:   Weather Shiel	d	Rim Mou	nted	☐ None			
22. Internal Floating Roof: Complete only if applicable.					256 1 4 6 1 500 1 5 1 500 1 5 1 500 1 5 1		
a. Average Liquid Density (WI):	ро	unds per gal	lon ( <i>lb/gal</i> )				
<b>b.</b> Roof Type	☐ Double	Deck Floatin	g Roof	Other: (speci	<u>٧</u>		
c. Self-supported fixed roof	☐ Yes	☐ No					
d. Number of columns supporting the fixed roof							
e. Deck Construction	□Weided	I ☐ Riv	eted	Bolted	<u> </u>		
f. Primary Rim Seal:	☐ Vapor I	Mounted		Liquid Mour	ted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No					
23. Variable Vapor Space: Complete only if applicable.							
a. Volume of liquid pumped into the system (V1):	ga	llons per yea	ιΓ (gal/yr)				
b. Volume expansion capacity of system (V2):	ga	llons (gal)					
c. Number of ∓ransfers Into the System (N2)	ре	r year (/yr)					
PART D: E	mission Fa	actors					
Part D identifies all emission factors used to calculate air	emissions f	rom the stora	ige tank.		4.		
24. Air Pollutant:	25. Emiss	ion Factor		e of Emission I sing AP-42, include			
Hazardous Air Pollutant (HAP): (specify): TBD			☐ AP-42	☐ Other	□ N/A		
Volatile Organic Compounds (VOC)							
Other (specify):			AP-42	Other			
Other (specify):			☐ AP-42	Other	7		

P/	ART E: Federal Rule Applicability	
art E identifies any federal rules that apply	to the process.	
27. Is a New Source Performance Standa If yes, attach a completed FED-01 for each r		28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
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☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	The state of the s
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for H applicable to this source? If yes, attach a	azardous Air Pollutants (NESHAP) completed FED-01 for each rule that applies.	30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but	vide an explanation if the process unit appears subject to a ru the rule will not apply.	ule (based on

<sup>\*</sup>Note that TK-103 will be subject to 40 CFR 61, Subpart FF.



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	PART A: Tank Identification					
Pa	rt A identifies and de	scribes the tank	k. Duplicate this f	orm as necessary to	nclude all applicable tan	(S.
1.	Tank/Unit ID:		TK-104A			
2.	Installation Date: (actual or anticipated)		TBD		·····	
3.	Tank Location:		TBD			2480
4.	Tank Type					
	⊠ Fixed Roof, Cor	ne ,	External Floa	iting Roof, Domed	Internal Floating	Roof
	Fixed Roof, Dor	ne	☐ External Floa	iting Roof, Not Dome	d 🔲 Variable Vapor S	Space -
	Other (specify):			244,70 TTWITH TITLE (III)	Pressure Tank	
Ž.	Is the tank Above	Ground?	⊠ Yes	□ No	A CANONIA CONTRACTOR OF THE CANONIA CONTRACT	MANUAL TO THE PARTY OF THE PART
Ö.	Tank Orientation:		☐ Horizontal	∨ertical	. LEANNAND TO THE TOTAL TO THE	
7.	Tank Color:		TBD	· · · · · · · · · · · · · · · · · · ·	and Address of the Control of the Co	
8.	Materials Stored:	(include MSDS)	Oily Brine		POLICE AND ADDRESS OF THE PROPERTY OF THE PROP	
9.	True Vapor Press	ure (PVA):	0.5 RVP (psi at 20	2°C)		
10.	Vapor Molecular \	Weight (M∨):	gallons	(b/lbmole)		
11.	. Annual Throughp	ut:	251,412,000 ga	allons per year (gal/yr)		
12	. Venting Method:					
13.	Filling Method:		Submerged	☐ Not Submerge	ed Other (specify):	
		P	ART B: Emissio	n Controls and Limit	ations	
Pa	rt B identifies contro	l technology, co	ntrol techniques o	or other process limita	itions that impact air emis	ssions.
14	. Add-On Control T	echnology: Ide	ntify all control tech	nologies used for this u	nit, and attach completed C	E-01 (unless "none").
	⊠ None	Oti	her (specify):			– Attach CE-10.
15	. Control Techniqu	ı <b>es</b> : Identify all c	control techniques	used for this process		
	None	☐ Fla	are	☐ Vapor Re	ecovery System	
	Other (specify):	TBD		– Attach GSL	)-09.	
16.	Process Limitatio information if nece	ns / Additional ssary.	Information: Ide	entify any acceptable	process limitations. Atta	ch additional

PART C: Information Specific to Tank Type							
Part C identifies the physical properties of the tank.							
17. Tank Diameter (D): 18 feet (#)		ACCORDING TO THE PROPERTY OF T					
18. Tank Height (Hs): 34 feet (ft)							
19. Tank Volume / Capacity (V): 89,922 gallons (gal) (ft³)							
20. Maximum Liquid Height (Hix): feet (ft)							
21. External Floating Roof. Complete only if applicable							
a. Average Liquid Density (WI): pounds p	a. Average Liquid Density (WI): pounds per gallon (Ib/gal)						
<b>b.</b> Roof Type:	ting Roof 🔲 Dou	ole Deck Floating Roof					
c. Tank Construction:	Rive	ted					
d. Primary Rim Seal: ☐ Vapor Mounte	ed 🔲 Liqu	id Mounted 🔲 N	lechanical Shoe				
e. Secondary Rim Seal:   Weather Shie	ld Rim	Mounted	lone				
22. Internal Floating Roof: Complete only if applicable.							
a. Average Liquid Density (WI):	pounds pe	r gallon ( <i>lb/gal</i> )					
<b>b.</b> Roof Type	☐ Double Deck F	oating Roof	ner: <u>(specify)</u>				
c. Self-supported fixed roof	☐ Yes ☐	] No					
d. Number of columns supporting the fixed roof							
e. Deck Construction:	☐ Welded ☐	] Riveted ☐ Bol	ted				
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liq	uid Mounted				
g. Is there a Secondary Rim Seal?	☐ Yes ☐	] No					
23. Variable Vapor Space: Complete only if applicable.							
a. Volume of liquid pumped into the system (V1):	gallons pe	r year (gal/yr)					
b. Volume expansion capacity of system (V2):	gallons (ga	/)					
c. Number of Transfers Into the System (N2)	per year (/	vr)					
			<del>/</del>				
PART D: F	Emission Factors						
Part D identifies all emission factors used to calculate air emissions from the storage tank.							
24. Air Pollutant:	25. Emission Fac	tor 26. Source of En	nission Factor				
[4] (1) [4] [4] [4] [4] [4] [4] [4] [4] [4] [4]	(if not using AP-42, include calculations)						
Hazardous Air Pollutant (HAP): (specify): TBD		☐ AP-42 ☐	Other 🔲 N/A				
Volatile Organic Compounds (VOC)   0.44   tpy   ☐ AP-42   ☒ Other   ☐ N/A							
Other (specify):		☐ AP-42 ☐	Other				
Other (specify):			- J				

PAR	T E: Federal Rule Applicability	
art E identifies any federal rules that apply to	the process.	
27. Is a New Source Performance Standard If yes, attach a completed FED-01 for each rule	(NSPS) applicable to this source? ☐ Yes ☒ No that applies.	28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for Haz applicable to this source? If yes, attach a co.		30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but the	e an explanation if the process unit appears subject to a rue rule will not apply.	ule (based on

<sup>\*</sup> Note that TK-104A will be subject to 40 CFR 61, Subpart FF.





State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch 100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.lN.gov/idem/air/permits/index.html

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed instructions for this form are available online at <a href="www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html">www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html</a>.
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1.	t A identifies and describes the tan	<ul> <li>buplicate this form a:</li> </ul>	a maccacami ta imali	ofacility and in the little and the contribution of	
•			s necessary to incit	ide all applicable tanks.	
2.	Tank/Unit ID:	TK-104B			
	Installation Date: (actual or anticipated)	TBD			
3.	Tank Location:	TBD			
4.	Tank Type				
		☐ External Floating R	oof, Domed	☐ Internal Floating Roof	
	☐ Fixed Roof, Dome	☐ External Floating R	oof, Not Domed	☐ Variable Vapor Space	
	Other (specify):			☐ Pressure Tank	
) 	Is the tank Above Ground?	⊠ Yes □ No	0		
ರ.	Tank Orientation:	☐ Horizontal 🗵 Ve	ertical	7.7.0	
7.	Tank Color:	TBD			
8.	Materials Stored (include MSDS)	Oily Brine			
9.	True Vapor Pressure (PVA):	0.5 RVP (psi at 20°C)			
10.	Vapor Molecular Weight (Mv):	gallons (b/lbmol	/e)		
11.	Annual Throughput:	251,412,000 gallons	per year (gal/yr)		
12.	Venting Method:				
13.	Filling Method:	Submerged	Not Submerged	Other (specify):	
	P	ART B: Emission Cont	trols and Limitatio	ńs	
Part	t B identifies control technology, co	ntrol techniques or othe	r process limitations	s that impact air emissions.	
14.	Add-On Control Technology: Ide	ntify all control technologie	es used for this unit. a	nd attach completed CE-01 (unle	ess "none").
	<u> </u>	ner (specify):			ch CE-10.
7	Control Techniques: Identify all of		for this process.		The second specific
	☐ None ☐ Fla		☐ Vapor Recov		
	Other (specify): TBD		- Attach GSD-09.	, ,	
16.		Information: Identify a	any acceptable prod	cess limitations. Attach additi	onal

PART C: Information	n Specifi	to Tank Ty	99		
Part C identifies the physical properties of the tank.					
17. Tank Diameter (D): 18 feet (#)					
18. Tank Height (Hs): 34 feet (ft)					
19. Tank Volume / Capacity (V): 89,922 gallons (ga	ıl)	(ft³)			
20. Maximum Liquid Height (Hix): feet (ft)					
21. External Floating Roof: Complete only if applicable.				: 27 28-44 18-44	
a. Average Liquid Density (WI): pounds pe	r gallon ( <i>i</i>	b/gal)			
b. Roof Type: ☐ Pontoon Floatin	ng Roof	Double D	eck Floating	Roof	
c. Tank Construction:		Riveted		WHILE IS A STREET OF THE STREE	
d. Primary Rim Seal:		Liquid M	ounted	Mechanica	al Shoe
e. Secondary Rim Seal:   Weather Shield	l	Rim Mou	inted	☐ None	
22. Internal Floating Roof: Complete only if applicable.	: X X X X Y Y X X X X X X X X X X X X X				
a. Average Liquid Density (WI):	p	ounds per gal	lon ( <i>lb/gal</i> )		
b. Roof Type	Double	e Deck Floatir	ng Roof	Other: (speci	fx).
c. Self-supported fixed roof	☐ Yes	□No	)		
d. Number of columns supporting the fixed roof					
e. Deck Construction:	☐ Welde	d 🔲 Riv	veted	Bolted	\ 
f. Primary Rim Seal:	☐ Vapor	Mounted		Liquid Mour	nted
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No	)		
23. Variable Vapor Space: Complete only if applicable.	4.W.Z	24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
a. Volume of liquid pumped into the system (V1):	g	alions per yea	ar ( <i>gal/yr</i> )		
b. Volume expansion capacity of system (V2):	g	alions ( <i>gal</i> )			
c. Number of Transfers Into the System (N2)		er year (/yr)			
				·	
PART D: Er	nission F	actors			
Part D identifies all emission factors used to calculate air e	,54	for at	age tank.		
24. Air Pollutant:	25. Emis	sion Factor		of Emission I	
Hazardous Air Pollutant (HAP): (specify): TBD			☐ AP-42	Other	□ N/A
Volatile Organic Compounds (VOC)	0.44	tpy	☐ AP-42		□ N/A
Other (specify):			☐ AP-42	Other	
Other (specify):			☐ AP-42	Other	7

	PART E: Federal Rule Applicability	
art E identifies any federal rules that app	y to the process.	
27. Is a New Source Performance Stand If yes, attach a completed FED-01 for each	lard (NSPS) applicable to this source? ☐ Yes ☒ No	28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for applicable to this source? If yes, attach	Hazardous Air Pollutants (NESHAP)	30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
the rule title or the source category), bu	ovide an explanation if the process unit appears subject to a ru ut the rule will not apply.	ile (based on

<sup>\*</sup> Note that TK-104B will be subject to 40 CFR 61, Subpart FF.

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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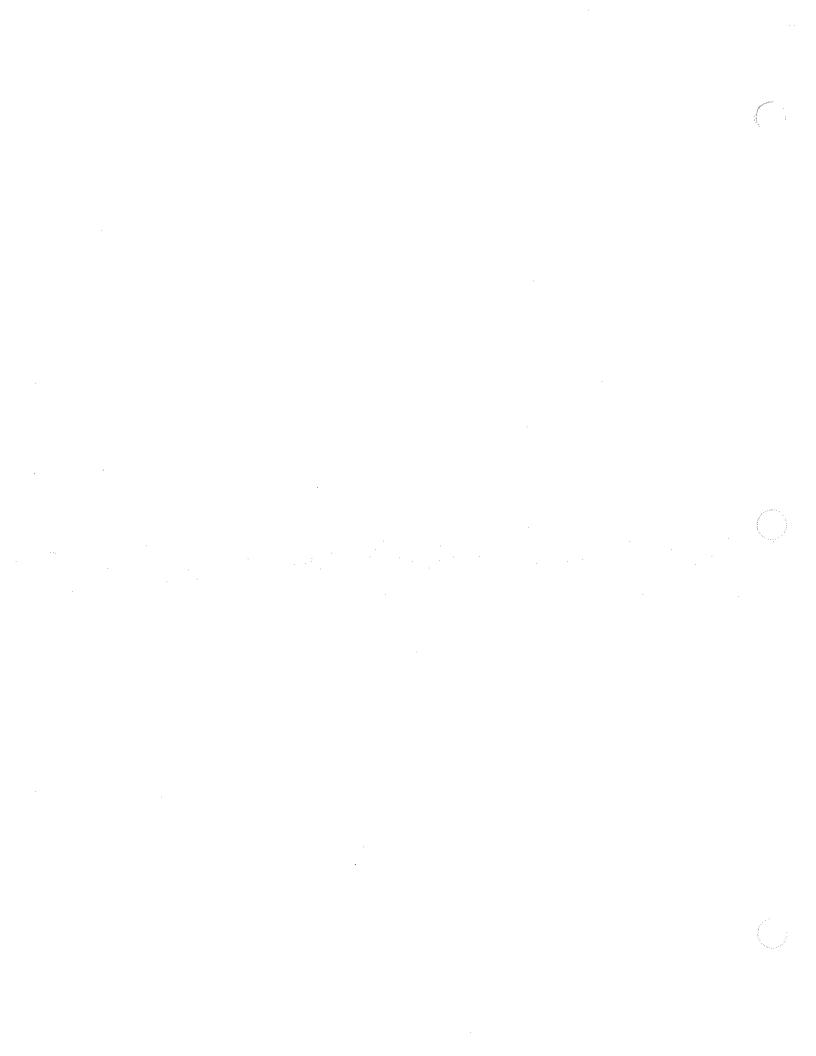
- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
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		PART A: Tank Identification	
Pa	t A identifies and describes the tanl	k. Duplicate this form as necessary to incl	ude all applicable tanks.
1.	Tank/Unit ID:	TK-105A	
2.	Installation Date: (actual or anticipated)	TBD	
3.	Tank Location:	TBD	
4	Tank Type		
	☐ Fixed Roof, Cone	External Floating Roof, Domed	☐ Internal Floating Roof
	☐ Fixed Roof, Dome	External Floating Roof, Not Domed	☐ Variable Vapor Space
<u> </u>	Other (specify):		☐ Pressure Tank
_	Is the tank Above Ground?	⊠ Yes □ No	
ပ်.	Tank Orientation:	☐ Horizontal	
7.	Tank Color:	TBD	
8.	Materials Stored:(include MSDS)	Oily Brine	
9.	True Vapor Pressure (PVA):	0.5 RVP (psi at 20°C)	
10.	Vapor Molecular Weight (Mv):	gallons (b/lbmole)	
11.	Annual Throughput:	251,412,000 gallons per year (gal/yr)	
12.	Venting Method:		
13.	Filling Method:	☐ Submerged ☐ Not Submerged	Other (specify):
	'n	ADT D. Enimies Control and Links	
Pa	And the second s	ART B: Emission Controls and Limitation ntrol techniques or other process limitation	and the second s
<u> </u>	1	David La Kana Walanda Baran da Ta	
14.		ntify all control technologies used for this unit, a	
		Ter (specify):	— Attach CE-10.
75.		ontrol techniques used for this process.	en regnéaun (Nest et leur effethe déclaration) -
	□ None □ Fla	<del></del> ,	very System
<u> </u>	Other (specify): TBD	— Attach GSD-09.	
' 16.	Process Limitations / Additional information if necessary.	Information: Identify any acceptable pro-	cess limitations. Attach additional

PART C: Information Specific to Tank Type
Part C identifies the physical properties of the tank.
17. Tank Diameter (D): 60 feet (#)
18. Tank Height (Hs): 41 feet (ft)
19. Tank Volume / Capacity (V): 867,090 gallons (gal) (ft <sup>3</sup> )
20. Maximum Liquid Height (Hix): feet (ft)
21. External Floating Roof: Complete only if applicable.
a. Average Liquid Density (WI): pounds per gallon (Ib/gal)
b. Roof Type: ☐ Pontoon Floating Roof ☐ Double Deck Floating Roof
c. Tank Construction: Welded Riveted
d. Primary Rim Seal:
e. Secondary Rim Seal: Weather Shield Rim Mounted None
22. Internal Floating Roof: Complete only if applicable.
a. Average Liquid Density (WI): pounds per gallon (Ib/gal)
<b>b.</b> Roof Type Double Deck Floating Roof Other: (specify)
c. Self-supported fixed roof
d. Number of columns supporting the fixed roof
e. Deck Construction: Welded Riveted Bolted
f. Primary Rim Seal: ☐ Vapor Mounted ☐ Liquid Mounted
g. Is there a Secondary Rim Seal?
23. Variable Vapor Space: Complete only if applicable.
a. Volume of liquid pumped into the system (V1): gallons per year (gal/yr)
<b>b.</b> Volume expansion capacity of system (V2): gallons ( <i>gal</i> )
c. Number of Transfers Into the System (N2)  per year (/yr)
PART D: Emission Factors
Part D identifies all emission factors used to calculate air emissions from the storage tank.
24. Air Pollutant:  25. Emission Factor 26. Source of Emission Factor (if not using AP-42, include calculations)
Hazardous Air Pollutant (HAP): (specify): TBD
Volatile Organic Compounds (VOC)  0.72 tpy ☐ AP-42 ☑ Other ☐ N/A
Other (specify):
Other (specify):

	ART E: Federal Rule Applicability	
art E identifies any federal rules that apply	to the process.	
27. Is a New Source Performance Standa If yes, attach a completed FED-01 for each		28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for I applicable to this source? If yes, attach a	Hazardous Air Pollutants (NESHAP)	30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Pro the rule title or the source category), bu	vide an explanation if the process unit appears subject to a ri t the rule will not apply.	ule (based on

<sup>\*</sup> Note that Tank 105A will be subject to 40 CFR 61, Subpart FF.





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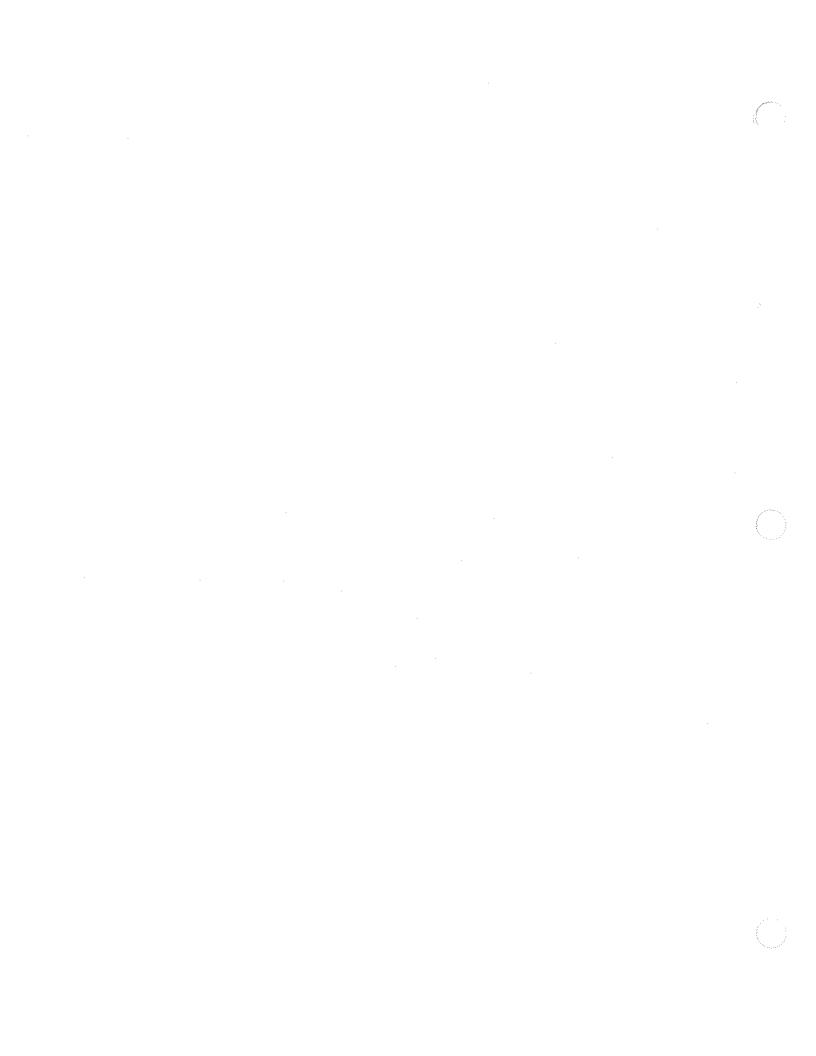
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	The second secon	PART A: Tank Identification
Ра	rt A identifies and describes the tar	k. Duplicate this form as necessary to include all applicable tanks.
1.	Tank/Unit ID:	TK-105B
2.	Installation Date: (actual or anticipated)	TBD
3.	Tank Location:	TBD
4.	Tank Type	
		External Floating Roof, Domed Internal Floating Roof
	☐ Fixed Roof, Dome	External Floating Roof, Not Domed
<u> </u>	Other (specify):	☐ Pressure Tank
1	Is the tank Above Ground?	⊠ Yes □ No
<u>  0.</u>	Tank Orientation:	☐ Horizontal ⊠ Vertical
7.	Tank Color:	TBD
8.	Materials Stored: (include MSDS)	Slop oil
9.	True Vapor Pressure (PVA):	0.5 RVP (psi at 20°C)
10.	Vapor Molecular Weight (Mv):	gallons (b/lbmole)
11.	Annual Throughput:	251,412,000 gallons per year (gal/yr)
12.	Venting Method:	
13.	Filling Method:	Submerged Not Submerged Other (specify):
	<u> </u>	PART B: Emission Controls and Limitations
Pa	rt B identifies control technology, co	ontrol techniques or other process limitations that impact air emissions.
14.	Add-On Control Technology: Id	entify all control technologies used for this unit, and attach completed CE-01 (unless "none").
	⊠ None □ O	ther (specify): — Attach CE-10.
15.	Control Techniques: Identify all	control techniques used for this process.
	☐ None ☐ FI	are
	☑ Other (specify): TBD	- Attach GSD-09.
1 <sub>16.</sub>	Process Limitations / Additional information if necessary.	I Information: Identify any acceptable process limitations. Attach additional

PART C: Information	n Specific to Tank Type
Part C identifies the physical properties of the tank.	
17. Tank Diameter (D): 60 feet (ft)	
18. Tank Height (Hs): 41 feet (ft)	
19. Tank Volume / Capacity (V): 867,090 gallons (	gal) (ft³)
20. Maximum Liquid Height (HIx): feet (ft)	
21. External Floating Roof: Complete only if applicable.	
a. Average Liquid Density (WI): pounds per	r gallon ( <i>lb/gal</i> )
<b>b.</b> Roof Type:	ng Roof
c. Tank Construction:	Riveted
d. Primary Rim Seal:	☐ Liquid Mounted ☐ Mechanical Shoe
e. Secondary Rim Seal:   Weather Shield	☐ Rim Mounted ☐ None
22. Internal Floating Roof: Complete only if applicable.	
a. Average Liquid Density (WI):	pounds per gallon ( <i>lb/gal</i> )
<b>b.</b> Roof Type	☐ Double Deck Floating Roof ☐ Other: (specify)
c. Self-supported fixed roof	☐ Yes ☐ No
d. Number of columns supporting the fixed roof	
e. Deck Construction:	☐ Welded ☐ Riveted ☐ Bolted
f. Primary Rim Seal:	☐ Vapor Mounted ☐ Liquid Mounted
g. Is there a Secondary Rim Seal?	☐ Yes ☐ No
23. Variable Vapor Space: Complete only if applicable.	
a. Volume of liquid pumped into the system (V1):	gallons per year ( <i>gal/yr</i> )
b. Volume expansion capacity of system (V2):	gallons (gal)
c. Number of Transfers Into the System (N2)	per year (/yr)
PART D: En	nission Factors
Part D identifies all emission factors used to calculate air e	
24. Air Pollutant:	25. Emission Factor  value units  26. Source of Emission Factor (if not using AP-42, include calculations)
Hazardous Air Pollutant (HAP): (specify): TBD	☐ AP-42 ☐ Other ☐ N/A
Volatile Organic Compounds (VOC)	0.72 tpy ☐ AP-42 ☑ Other ☐ N/A
Other (specify):	☐ AP-42 ☐ Other
Other (specify):	☐ AP-42 ☐ Other

PAR	FE: Federal Rule Applicability	
art E identifies any federal rules that apply to	the process.	
27. Is a New Source Performance Standard If yes, attach a completed FED-01 for each rule		28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
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☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for Haza applicable to this source? If yes, attach a col		30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but the	e an explanation if the process unit appears subject to a rue rule will not apply.	ule (based on

<sup>\*</sup> Note that Tank 105B will be subject to 40 CFR 61, Subpart FF.





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1.	Tank/Unit ID:	TK-5052/544		
2.	Installation Date: (actual or anticipated)	TBD		
3.	Tank Location:	TBD		
4.	Tank Type			
	☐ Fixed Roof, Cone		ing Roof, Domed	☐ Internal Floating Roof
	☐ Fixed Roof, Dome	☐ External Float	ing Roof, Not Domed	☐ Variable Vapor Space
	Other (specify):			Pressure Tank
<u>)</u> _	Is the tank Above Ground?		☐ No	
ó.	Tank Orientation:	☐ Horizontal	⊠ Vertical	
7.	Tank Color:	TBD		
8.	Materials Stored: (include MSDS)	Oily Wastewater		
9.	True Vapor Pressure (PVA):	0.5 pounds per s	quare inch (psi at 20°C)	
10.	. Vapor Molecular Weight (Mv)	gallons (£	o/lbmole)	
11.	. Annual Throughput:	20,000,000 gallo	ns per year ( <i>gal/yr</i> )	
12.	. Venting Method:			
13.	. Filling Method:	Submerged	☐ Not Submerged	Other (specify):
		PART B: Emission	Controls and Limitati	ODC .
Pa	rt B identifies control technology	H W. S. C.		<del> </del>
ñ	. v u 4 AS 94 Priculto - TAX IS PRICED	s do su i der	a day a series and a day of which	and attach completed CE-01 (unless *none
. T	None □	Other (specify):	Ologies used for une and,	— Attach CE-10.
15	. Control Techniques: Identify a	dy nguyy, gang sa ayant asabah ili gay	used for this process	— Attach CE-10.
1	None □	Flare	☐ Vapor Reco	<u> </u>
	Other (specify):	, idi C	- Attach GSD-09.	• •
	U Other (specify).		- Magaii Gob-os,	

PART C: Informa	ation Specifi	c to Tank Ty	pe		
Part C identifies the physical properties of the tank.					
17. Tank Diameter (D): 223 feet (ft)					
18. Tank Height (Hs): 40 feet (ff)					
19. Tank Volume / Capacity (V): 11,676,000 gal	llons (gal) cul	oic feet (ft3)			ANALYS POST OF THE STATE OF THE
20. Maximum Liquid Height (Hlx): 40 feet (ft)				WW.	
21. External Floating Roof: Complete only if applicab	le.				
a. Average Liquid Density (WI): 8.9 pounds per	r gallon ( <i>lb/gal</i>	)			
b. Roof Type: ⊠ Pontoon Flo	ating Roof	Double D	Deck Floating	Roof	
c. Tank Construction: ⊠ Welded		Riveted			
d. Primary Rim Seal: ☐ Vapor Mour	nted	Liquid M	ounted	Mechanic     Mechanic	al Shoe
e. Secondary Rim Seal: 🗵 Weather Sh	ield (Shoe-M	ounted) 🔲 R	im Mounted	☐ None	
22. Internal Floating Roof: Complete only if applicable	e. 💲		.it j		
a. Average Liquid Density (WI):	р	ounds per gal	lon (Ib/gal)		
<b>b.</b> Roof Type	Double	Deck Floatir	ng Roof	Other: (spec	if <u>y)</u>
c. Self-supported fixed roof	☐ Yes	□No	)		
d. Number of columns supporting the fixed roof	4				
e. Deck Construction:	☐ Welde	d 🔲 Riv	veted	Bolted	
f. Primary Rim Seal:	☐ Vapor	Mounted		Liquid Mour	nted
g. Is there a Secondary Rim Seal?	☐ Yes	□No			
23. Variable Vapor Space: Complete only if applicable	9.				
a. Volume of liquid pumped into the system (V1):	: g.	allons per yea	ar ( <i>gal/yr</i> )		
<b>b.</b> Volume expansion capacity of system (V2):	g	alions (gai)			
<b>c.</b> Number of Transfers Into the System (N2)	p	er year (/yr)			
PART D:	Emission F	actors			
Part D identifies all emission factors used to calculate a	<u></u>		age tank.		
24. Air Pollutant:	25. Emis	sion Factor		of Emission I	
Hazardous Air Pollutant (HAP): (specify): TBD			☐ AP-42	Other	□ N/A
Volatile Organic Compounds (VOC)	0.01	tpy	☐ AP-42	 ☐ Other	□ N/A
Other (specify):			AP-42	Other	
Other (specify):			☐ AP-42	Other	

	PART E: Federal Rule Applicability	
art E identifies any federal rules that appl	y to the process.	
27. Is a New Source Performance Stand If yes, attach a completed FED-01 for each	ard (NSPS) applicable to this source? ☐ Yes ☐ No	28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for applicable to this source? If yes, attach	Hazardous Air Pollutants (NESHAP)	30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	To all sections and the section of t
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	The state of the s
31. Non-Applicability Determination: Protein the rule title or the source category), but	ovide an explanation if the process unit appears subject to a ri	ule (based on

<sup>\*</sup>Note that TK-5052 will be subject to 40 CFR 61, Subpart FF.

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State Form 52654 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch 100 N. Senate Avenue, indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed instructions for this form are available online at <a href="www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html">www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html</a>.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality.
   Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

		PART A: Tank Identification
Pa	t A identifies and describes the tank	k. Duplicate this form as necessary to include all applicable tanks.
1.	Tank/Unit ID:	TK-6255/800
2.	Installation Date: (actual or anticipated)	TBD
3.	Tank Location:	TBD
4.	Tank Type	
	☐ Fixed Roof, Cone	☐ External Floating Roof, Domed ☐ Internal Floating Roof
	☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
	Other (specify):	☐ Pressure Tank
) <u>.</u>	Is the tank Above Ground?	⊠ Yes □ No
ő.	Tank Orientation:	☐ Horizontal     Vertical
7.	Tank Color:	TBD
8.	Materials Stored:(include MSDS)	Coker Feed
9.	True Vapor Pressure (PVA):	0.5 pounds per square inch (psi at 20°C)
10.	Vapor Molecular Weight (My):	gallons (b/lbmole)
11.	Annual Throughput:	469,098,000 gallons per year (gal/yr)
12.	Venting Method:	
13.	Filling Method:	☐ Submerged ☐ Not Submerged ☐ Other (specify):
	É	ART B: Emission Controls and Limitations
Pai	The Control of the Co	ontrol techniques or other process limitations that impact air emissions.
<u> </u>	The state of the s	entify all control technologies used for this unit, and attach completed CE-01 (unless "none").
171		her (specify):  — Attach CE-10.
15		control techniques used for this process.
	None ☐ Fla	
	Other (specify):	- Attach GSD-09.
16	and property of the second	Information: Identify any acceptable process limitations. Attach additional
10.	information if necessary.	minormation. Toominy any acceptable process limitations. Attach additional

Other (specify):

Other

PART C: Informati	on Specific	to Tank Ty	<b>s</b> e		
Part C identifies the physical properties of the tank.					
17. Tank Diameter (D): 223 feet (ff)					
<b>18. Tank Height</b> (Hs): 48 feet (#)					
<b>19. Tank Volume / Capacity</b> (V): 14,028,000 gallo	ns (gal) (ft³)	l			
20. Maximum Liquid Height (Hix): feet (ft)					
21. External Floating Roof: Complete only if applicable	· 11				
a. Average Liquid Density (WI): pounds p	per gallon (1b/	(gal)			
<b>b.</b> Roof Type:	ting Roof	Double D	eck Floating	Roof	
c. Tank Construction:   Welded		Riveted		Name	
d. Primary Rim Seal: ☐ Vapor Mounte	∍d	☐ Liquid M	ounted	☐ Mechanica	l Shoe
e. Secondary Rim Seal:   Weather Shie	ld	Rim Mou	ınted	☐ None	
22. Internal Floating Roof: Complete only if applicable.					
a. Average Liquid Density (WI):	po	unds per gal	lon (Ib/gal)		
<b>b.</b> Roof Type	Double	Deck Floatir	ng Roof	Other: (specif	אַ
c. Self-supported fixed roof	☐Yes	□No	)		
d. Number of columns supporting the fixed roof					
e. Deck Construction:	☐ Welded	Riv	veted	Bolted	
f. Primary Rim Seal:	☐ Vapor N	Nounted		☐ Liquid Moun	ted
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No	·		
23. Variable Vapor Space: Complete only if applicable.			5 (\$1 . \$ (\$)		
a. Volume of liquid pumped into the system (V1):	ga	lons per yea	ar ( <i>gai/yr</i> )		
b. Volume expansion capacity of system (V2):					
c. Number of Transfers Into the System (N2)	pe	r year (/yr)			
					**************************************
PART D: E	Emission Fa	ctors			
Part D identifies all emission factors used to calculate air		<u></u>	age tank.		
24. Air Pollutant:	25. Emiss	on Factor		e of Emission F ing AP-42, include o	
Hazardous Air Pollutant (HAP): (specify): TBD			☐ AP-42	Other	□ N/A
Volatile Organic Compounds (VOC)	0.06	tpy	☐ AP-42	Other	□ N/A
Other (specify):			☐ AP-42	Other	

P,	ART E: Federal Rule Applicability	
art E identifies any federal rules that apply	to the process.	
27. Is a New Source Performance Standa If yes, attach a completed FED-01 for each r		28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for H applicable to this source? If yes, attach a	lazardous Air Pollutants (NESHAP)  completed FED-01 for each rule that applies.	30. Unit ID:
40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☑ 40 CFR Part 63, Subpart CC*	Petroleum Refineries	TK-6255/ 800
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	- A Assertance (1997)
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but	ride an explanation if the process unit appears subject to a ru the rule will not apply.	ile (based on

<sup>\*</sup> Note Tank TK-6255 is not subject to the control requirements of 40 CFR 63, Subpart CC.

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State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch 100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed instructions for this form are available online at <a href="https://www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html">www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html</a>.
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   Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

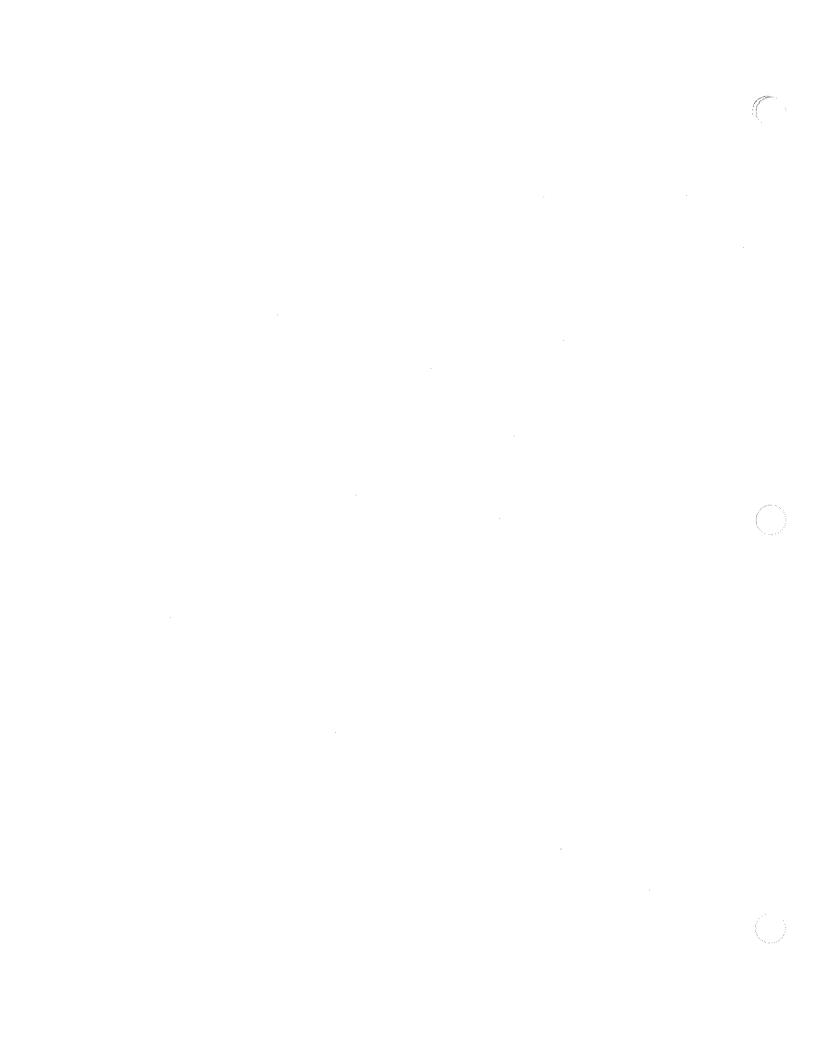
(ac 3. Ta 4. Ta	estallation Date: ctual or anticipated) ank Location:	TBD TBD		
4. Ta	The second secon	TDD	<del></del>	
		חסו ייי		
	ank Type			
	Fixed Roof, Cone	☐ Externa	l Floating Roof, Domed	☐ Internal Floating Roof
	Fixed Roof, Dome	☐ Externa	l Floating Roof, Not Domed	☐ Variable Vapor Space
	Other (specify):			Pressure Tank
. Is	the tank Above Ground?	⊠ Yes	☐ No	
ö. Ta	ank Orientation:	☐ Horizon	tal 🛛 Vertical	
7. Ta	ank Color:	TBD		
8. M	laterials Stored:(include MSDS	) Molten sulf	ur	
9. Tr	rue Vapor Pressure (PVA):	<0.75 pour	ids per square inch (psi at 20°C)	)
10. Va	apor Molecular Weight (Mv	); (b/lbmole)		
11. A	nnual Throughput:	gallons p	er year (gal/yr)	
12. Ve	enting Method:	to SRU C	omplex	
13. Fi	illing Method:	☐ Submei	rged Not Submerged	Other (specify):
D D		S 48 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ission Controls and Limitation	
) (v.)			ues or other process limitation	
14. Ac		-	ol technologies used for this unit,	and attach completed CE-01 (unless "none")
	None	den la sala de la seco	Caustic Scrubber	— Attach CE-10.
	ontrol Techniques: Identify			
$\boxtimes$	None	] Flare	☐ Vapor Reco	very System
	Other (specify):		— Attach GSD-09.	

PART C: Information Specific to Tank Type
Part C identifies the physical properties of the tank.
17. Tank Diameter (D): 63.5 feet (#)
<b>18. Tank Height</b> (Hs): 48 feet (#)
19. Tank Volume / Capacity (V): 1,008,000 gallons (gal) cubic feet (ft <sup>3</sup> )
20. Maximum Liquid Height (Hix): feet (ft)
21. External Floating Roof: Complete only if applicable.
a. Average Liquid Density (WI): pounds per gallon (Ib/gal)
b. Roof Type:
c. Tank Construction:
d. Primary Rim Seal: Vapor Mounted Liquid Mounted Mechanical Shoe
e. Secondary Rim Seal:
22. Internal Floating Roof: Complete only if applicable.
a. Average Liquid Density (WI): pounds per gallon (Ib/gal)
b. Roof Type ☐ Double Deck Floating Roof ☐ Other: (specify)
c. Self-supported fixed roof ☐ Yes ☐ No
d. Number of columns supporting the fixed roof
e. Deck Construction:     Welded   Riveted   Bolted
f. Primary Rim Seal: ☐ Vapor Mounted ☐ Liquid Mounted
g. Is there a Secondary Rim Seal?
23. Variable Vapor Space: Complete only if applicable.
a. Volume of liquid pumped into the system (V1): gallons per year (gal/yr)
<b>b.</b> Volume expansion capacity of system (V2): gallons ( <i>gal</i> )
c. Number of Transfers Into the System (N2) per year (/yr)
PART D: Emission Factors
Part D identifies all emission factors used to calculate air emissions from the storage tank

PART D: Emission Factors						
Part D identifies all emission factors used to calculate air	t D identifies all emission factors used to calculate air emissions from the storage tank.					
24. Air Pollutant:*	25. Emission Factor		of Emission Ing AP-42, include			
Hazardous Air Pollutant (HAP): (specify):		☐ AP-42	☐ Other	□ N/A		
Volatile Organic Compounds (VOC)		☐ AP-42	Other	□ N/A		
Other (specify):		☐ AP-42	☐ Other			
Other (specify):		☐ AP-42	Other		7	

 $<sup>^*</sup>$  Tank TK-SH-1 and TK-SH-2 have a combined limit of 0.5 ton/yr of both  $\rm H_2S$  and Total Reduced Sulfur (See Appendix C Table C.63).

PAR	RT E: Federal Rule Applicability	
art E identifies any federal rules that apply to	the process.	
27. Is a New Source Performance Standard If yes, attach a completed FED-01 for each rule		28. Unit ID:
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a National Emission Standard for Haz applicable to this source? If yes, attach a co		30. Unit ID:
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	
31. Non-Applicability Determination: Provide the rule title or the source category), but the	le an explanation if the process unit appears subject to a r ne rule will not apply.	ule (based on
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State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch 100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749 www.IN.gov/idem/air/permits/index.html

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed instructions for this form are available online at <a href="https://www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html">www.lN.gov/idem/air/permits/apps/instructions/pi14instructions.html</a>.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality.
   Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

E TOTAL TO THE SECOND S	PART A: Tank Identification				
Part A identifies and describes the tan	k. Duplicate this form as necessary to incl	ude all applicable tanks.			
1. Tank/Unit ID: TK-SH-2/162					
2. Installation Date: (actual or anticipated)	TBD				
3. Tank Location:	TBD				
4. Tank Type					
⊠ Fixed Roof, Cone	External Floating Roof, Domed	☐ Internal Floating Roof			
Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space			
Other (specify):	· .	☐ Pressure Tank			
5. Is the tank Above Ground?	⊠ Yes □ No				
Tank Orientation:	☐ Horizontal				
7. Tank Color:	TBD				
8. Materials Stored:(include MSDS)	Molten sulfur				
9. True Vapor Pressure (PVA):	<0.75 pounds per square inch (psi at 20°C)	)			
10. Vapor Molecular Weight (Mv):	(b/lbmole)				
11. Annual Throughput: gallons per year (gal/yr)					
12. Venting Method:					
13. Filling Method:	Submerged Not Submerged	Other (specify):			
Þ	ART B: Emission Controls and Limitati	ons			
Part B identifies control technology, co	ontrol techniques or other process limitation	ns that impact air emissions.			
14. Add-On Control Technology: Ide	entify all control technologies used for this unit,	and attach completed CE-01 (unless "none").			
☐ None	her (specify): caustic scrubber	— Attach CE-10.			
15. Control Techniques: Identify all	control techniques used for this process.				
⊠ None ☐ Fla	are 🔲 Vapor Reco	very System			
Other (specify):	- Attach GSD-09.				
16. Process Limitations / Additiona information if necessary.	Information: Identify any acceptable pro	ocess limitations. Attach additional			

Other (specify):

PART C: Informat	ion Specific to Tank Type
Part C identifies the physical properties of the tank.	
<b>17. Tank Diameter</b> (D): 63.5 feet (#)	
18. Tank Height (Hs): 48 feet (#)	
19. Tank Volume / Capacity (V): 1,008,000 gallon	s (gal) cubic feet (ft³)
20. Maximum Liquid Height (Hix): feet (ft)	A STATE OF THE STA
21. External Floating Roof: Complete only if applicable	
a. Average Liquid Density (WI): pounds	per gallon (Ib/gal)
<b>b.</b> Roof Type:	ting Roof  Double Deck Floating Roof
c. Tank Construction:   Welded	Riveted
d. Primary Rim Seal:	ed Liquid Mounted Mechanical Shoe
e. Secondary Rim Seal:   Weather Shie	eld Rim Mounted None
22. Internal Floating Roof: Complete only if applicable.	
a. Average Liquid Density (WI):	pounds per galion (lb/gal)
<b>b.</b> Roof Type	☐ Double Deck Floating Roof ☐ Other: (specify)
c. Self-supported fixed roof	☐ Yes ☐ No
d. Number of columns supporting the fixed roof	
e. Deck Construction:	☐ Welded ☐ Riveted ☐ Bolted
f. Primary Rim Seal:	☐ Vapor Mounted ☐ Liquid Mounted
g. Is there a Secondary Rim Seal?	☐ Yes ☐ No
23. Variable Vapor Space: Complete only if applicable.	
a. Volume of liquid pumped into the system (V1):	gallons per year ( <i>gal/yr</i> )
b. Volume expansion capacity of system (V2):	gallons ( <i>gal</i> )
c. Number of Transfers Into the System (N2)	per year (/yr)
And the second distribution of the second se	
DAPT N. I	Emission Factors
Part D identifies all emission factors used to calculate air	
24. Air Pollutant:*	25. Emission Factor 26. Source of Emission Factor
24. All Foliulani.	value units (if not using AP-42, include calculations)
Hazardous Air Pollutant (HAP): (specify):	☐ AP-42 ☐ Other ☐ N/A
Volatile Organic Compounds (VOC)	□ AP-42 □ Other □ N/A
Other (specify):	☐ AP-42 ☐ Other

□ AP-42

Other

 $<sup>^*</sup>$  Tank TK-SH-1 and TK-SH-2 have a combined limit of 0.5 ton/yr of both  $H_2S$  and Total Reduced Sulfur (See Appendix C Table C.63).

ART E: Federal Rule Applicability	
ard (NSPS) applicable to this source? ☐ Yes ☒ No rule that applies.	28. Unit ID:
Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	and the second s
Equipment Leaks of VOC in Petroleum Refineries	a Papara All Institute of the Control of the Contro
Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
	30. Unit ID:
Equipment Leaks (Fugitive Emission Sources) of Benzene	
Equipment Leaks (Fugitive Emission Sources)	
Benzene Emissions from Benzene Storage Vessels	
Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
Petroleum Refineries	
Natural Gas Transmission and Storage	
Organic Liquids Distribution (non-gasoline)	
ovide an explanation if the process unit appears subject to a ru t the rule will not apply.	ile (based on
	ard (NSPS) applicable to this source?  rule that applies.  Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)  Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)  Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)  Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry  Equipment Leaks of VOC in Petroleum Refineries  Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants  Hazardous Air Pollutants (NESHAP)  a completed FED-01 for each rule that applies.  Equipment Leaks (Fugitive Emission Sources) of Benzene  Equipment Leaks (Fugitive Emission Sources)  Benzene Emissions from Benzene Storage Vessels  Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)  Petroleum Refineries

